

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Applicants : Mark C. Schmidt et al.  
Application Serial No.: 10/630,358  
Filing Date: July 30, 2003  
Title: AUTOMATICALLY-ACTIVATED WIRELESS LASER  
SCANNING 2D BAR CODE SYMBOL READING SYSTEM  
CAPABLE OF AUTOMATICALLY TRANSMITTING STORED  
SYMBOL CHARACTER DATA WHEN THE HAND-  
SUPPORTABLE UNIT IS OPERATED WITHIN ITS RF DATA  
COMMUNICATION RANGE AND AUTOMATICALLY  
COLLECTING AND STORING SYMBOL CHARACTER  
DATA WHEN THE HAND-SUPPORTABLE UNIT...  
Examiner : Edwyn Labaze  
Group Art Unit : 2876  
Attorney Docket No. : 108-194USANF0

Honorable Commissioner of Patents  
and Trademarks  
Washington, DC 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. 1.97**

Sir:

In order to fulfill Applicants' continuing obligation of candor and good faith as set forth in 37 C.F.R. 1.56, Applicants submit herewith a supplemental Information Disclosure Statement prepared in accordance with 37 C.F.R Sections 1.97, 1.98 and 1.99.

The disclosures enclosed herewith are as follows:

**U.S. PUBLICATIONS**

<u>NUMBER</u>	<u>FILING DATE</u>	<u>TITLE</u>
6,318,636 B2	September 21, 1999	METHOD AND APPARATUS TO READ DIFFERENT TYPES OF DATA CARRIERS, SUCH RFID TAGS AND MACHINE-READABLE SYMBOLS, AND A USER INTERFACE FOR THE SAME
6,145,746	July 17, 1997	PORTABLE OPTICAL SCANNING AND POINTING SYSTEMS
5,581,707	July 27, 1994	SYSTEM FOR WIRELESS COLLECTION



OF DATA FROM A PLURALITY OF  
REMOTE DATA COLLECTION UNITS  
SUCH AS PORTABLE BAR CODE  
READERS

**TECHNICAL PUBLICATIONS**

The Powerpoint presentation entitled "Bluetooth Architecture Overview" by James Kardach, Intel Corporation, March 18, 1999, pages 1-45.

The preliminary specification of the BGB100 Bluetooth Radio Module by Philips Semiconductors, March 29, 2001, pages 1-16.

The product brochure for the PCF87750 Bluetooth Baseband Controller by Philips Semiconductors, November 29, 2001, pages 1-263.

**INTERNATIONAL SEARCH REPORTS**

App. No.

Filing Date

PCT/US04/00741

January 12, 2004

**ABSTRACTS OF DISCLOSURE**

U.S. Patent No. 6,318,636 B1 to Reynolds et al. discloses a data carrier reader that includes an RFID tag reading section and a machine-readable symbol reading section, which can contain some common components. The reader is operable in an RFID tag reading mode and/or a symbol reading mode. The reader provides a consistent and intuitive user interface within, and between, the operating modes. The user interface can include visual, aural and tactile indicators. The visual indicators can include a pattern displayed by indicators on the reader, or projected onto or near the data carrier.

U.S. Patent No. 66,145,746 to Bard et al. discloses an optical scanning system for reading indicia of differing light reflectivity that has an optical scan module which is adapted to be mounted on a finger of a user. A first peripheral module, preferably in the form of a wrist watch, has a receiver which detects the reflected light. A second peripheral module, mounted on the other arm of the user, communicates with the first module by radio frequency transmission. According to other aspects of the invention, the light detector may be mounted in a housing which is separate and part from the optical scan module. According to another aspect, a laser pointer or scanner is mounted to a ring which is arranged to be worn on a single finger of the user.

U.S. Patent No. 5,581,707 to Kuecken discloses a system for collecting data messages at a base station which is in radio communications with portable data collection terminals, such as bar

code readers, that may move between different locations, all remote from the base station. A set of successive polling messages are broadcast from the base station addressed to different individual remote units during successive polling cycles. Increases in speed of polling cycles are obtained by eliminating from the polling cycle messages addressed to remote units which are turned off, or are inactive for a time since the unit recently sent data to the base station. During the last polling cycle in a set, the base station transmits acknowledgment of the collection of valid data to all of the units which have transmitted data. The time required for data collection depends upon the activity of the units and complex error and collision avoidance codes are not required. The system is also adapted for use with polarization diversity radio transmission whereby the one of a pair of antennas disposed at the base station in polarization diversity relationship (orthogonal to each other) can be selected for transmission for each units next poll depending upon which of the antennas received the strongest poll response signal from that unit on the previous cycle of polling signals.

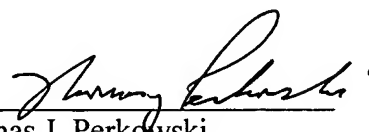
The preliminary specification of the BGB100 Bluetooth Radio Module describes a short-range radio transceiver for wireless links operating in the globally available ISM band, between 2402 and 2480 MHz. IT is composed of a fully integrated, near-zero-IF transceiver chip, an antenna filter for out-of-band blocking performance, a TX/RX switch, TX and RX balun, the VCO resonator and a basic amount of supply decoupling.

The product brochure for Philips' PCF87750 Bluetooth Baseband Controller describes a flexible baseband controller comprising a microcontroller, SRAM, firmware memory, Bluetooth core, interface circuits, a CVSD codec, voice path A/D and D/A conversion and power management.

A separate listing of the above references on PTO Form 1449 and a hard copy of foreign and technical references are enclosed herewith for the convenience of the Examiner.

Respectfully submitted,

Dated: October 31, 2003

  
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Substitute for form 1449A/PTO

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
BY APPLICANT**

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**Complete If Known**

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First Name Inventor	Mark Schmidt et al.
Group Art Unit	2876
Examiner Name	Edwyn Labaze
Attorney Docket Number	108-194USANF0

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
		6,318,636 B1		Reynolds et al.	11/20/2001	G06K 7/10
		6,145,746		Bard et al.	11/14/2000	G06K 7/10
		5,581,707		Kuecken	12/03/1996	G06F 13/00

**PUBLICATIONS**

Examiner Initials	Cite No.	Description
		The Powerpoint presentation entitled "Bluetooth Architecture Overview" by James Kardach, Intel Corporation, March 18, 1999, pages 1-45.
		The preliminary specification of the BGB100 Bluetooth Radio Module by Philips Semiconductors, March 29, 2001, pages 1-16.
		The product brochure for the PCF87750 Bluetooth Baseband Controller by Philips Semiconductors, November 29, 2001, pages 1-263.

PUBLICATIONS		
Examiner Initials	Cite No.	Description
		PCT Search Report for PCT/US04/00741, 2004

**EXAMINER**

**DATE CONSIDERED**

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**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance not considered. Include copy of this form with next communication to applicant.

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(INFORMATION DISCLOSURE STATEMENT – SECTION 9 PTO-1449)